MAKING THE MOST OF GEOGRAPHIC INFORMATION SYSTEMS TECHNOLOGY!

Washington State's First Annual



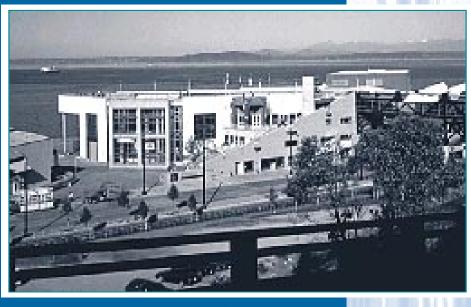
November 21-22, 1996

In beautiful
SEATTLE, WASHINGTON'S
BELL HARBOR INTERNATIONAL
CONFERENCE CENTER





The Washington State Geographic Information Council (WAGIC) is proud to present the first annual Washington State Geographic Information Systems Conference



Bell Harbor International Conference Center



Focused on the powerful use of GIS in government and education settings, this two-day conference offers exciting learning and networking opportunities from the beautiful waterfront setting of the new Bell Harbor International

Enjoy Seattle ~ One of the World's Top Cities

Aptly named The Emerald City, Seattle is far more than just sensational scenery. Rated by Rand McNally as the nation's #1 vacation destination, Seattle and King County offer a unique combination of scenic beauty, cultural diversity, outdoor recreation and urban attractions. A moderate climate and a multitude of facilities make golf and tennis year-round activities. Sailing, fishing, skiing and hiking take full advantage of one of nature's most gifted areas, and with mountains, rivers, islands, freshwater lakes and the saltwater sound all at hand or within an hour's journey, your choices are myriad.

-Seattle photographs and description courtesy of King County Convention and Visitors Bureau





Vendor Exhibits

GIS '96 offers an excellent opportunity to meet one-on-one with providers of GIS equipment and services. Staff from state and local-level GIS operations will also be on hand to talk about their diverse applications.

Participating Exhibitors

Partial list:

- Brodie Group
- **■** Fotogrammetric Data Services
- Jon Jolley, Inc.
- Kroll Map Company, Inc.
- Marshall & Associates, Inc.
- Nies Mapping Group, Inc.
- NW CAMA
- Washington State Geographic Information Council (WAGIC)
- Washington State Dept. of Ecology
- Washington State Dept. of Natural Resources

Keynote Speakers

JOEL MORRISON

Nationally recognized geographer, author, academician, and Chief of the Geography Division, Bureau of Census.

NANCY TOSTA

Director of Forecasting and Growth Strategies for the Puget Sound Regional Council; former Special Assistant to the Secretary for Geographic Data Coordination, U.S. Department of the Interior.

CHARLIE FITZPATRICK

Program Manager, Environmental Systems Research Institute (ESRI) National K-12 Education.

Program Tracks

In the challenging, fast-track, tight-budget education and government environment, GIS '96 program tracks demonstrate how you can make the most of GIS technology to improve information access, decision making, and implementation processes for educators and governmental managers.

Education Night Thursday, November 21 6:30 - 9:00 p.m.

The GIS '96 Conference will offer an evening for teachers, students, family and friends to learn from one another in a fun, casual, environment. K-20 teachers and students will highlight their GIS successes and classroom challenges, including their use of GIS in science, environmental and natural resource management classes. On-line computer demonstrations and games will provide hands-on opportunities, as well as opportunities to network with other programs using GIS. This is a chance for families to see how their children use GIS in the classroom. Door prizes and an ArcView School Bundle drawing will be held for teachers.

Presenters: Peter Hayes, Lakeside School/Thornton Creek Project; Charlie Fitzpatrick, Environmental Systems Research Institute (ESRI); Gwen Maxfield, Northshore School District

K-20 Educators Track

Presentations and hands-on labs demonstrate how educators can effectively use GIS technology in the classroom. Learn what GIS is, how it can be incorporated in science, sociology and environmental programs, and how to get started with GIS curriculum.

GIS at the Universities: Educating the GIS Educators

An overview of the range of GIS course offerings at universities throughout Washington, with answers to important questions: How are the colleges and universities preparing students for a profession in GIS? What classes are being taught? How is GIS incorporated into other disciplines?

Presenters: Tim Nyerges, University of Washington; Megan Miller, Central Washington University; Representative from an additional university

GIS at the Community Colleges:

Mainstreaming into the Community

An overview of the ways in which various community colleges are meeting the GIS employment needs of the community. Learn what GIS courses should be taught at this level in preparation for GIS work or moving on to the university level; where the emphasis is; and whether one can obtain the necessary training at this level for a career change.

Presenters: Art Benefile, Central Oregon Community College; Bob Lee, Green River Community College; Ian von Essen, Spokane Community College

GIS at K-12: Establishing the Foundations

This session explores what fundamental geographic and GIS concepts should be taught at the primary and secondary levels. Presenters will share their experiences and accomplishments in using and teaching GIS in the K-12 curriculum.

Presenters: Charlie Fitzpatrick, Environmental Systems Research Institute (ESRI); Gwen Maxfield, North Shore School District; Peter Hayes, Lakeside School

Education at the Local Government Level: Enhancing GIS Awareness

Many local governmental organizations have established training and educational programs to increase awareness of GIS among their own employees, or to educate the general public on the benefits and utility of this technology. The presenters will review the successes and shortcomings of their programs.

Presenters: Tom Nolan, Orca, Shoreline School District; Donna Wendt, City of Tacoma; Representative from King County Metro

Resources for Getting Started: Where Does One Begin?

What resources are readily available for the instructor to begin teaching the fundamentals of GIS? This session reviews some available assistance resources that can be used as a starting point for incorporating geography and GIS into an educational program. In addition to identifying creative funding opportunities, presenters will also discuss some hardware aspects, software packages and data sets for classroom use.

Presenters: Joel Haugen, Bonneville Power Administration; Rawhide Papritz, Washington Geographic Alliance; John Van de Castle, University of Washington

General Discussion: Open Forum on GIS in Education

All of the presenters in the K-20 Educators Track are invited to participate in an informal question-and-answer session on issues related to GIS in education. The audience will have the opportunity to gather more specifics about their areas of particular interest.

Hands-on Workshop: Spatial Decisions by Group Choice

Demonstration of the GIS-based groupware, Spatial Decisions by Group Choice. Up to 11 participants will work interactively with a GIS to formulate a decision on an issue with a central spatial component.

Presenter: Tim Nyerges, University of Washington

Gobs Of Way Cool Stuff: Finding Resources on the Internet and Using Them with GIS ArcView

Guided instructions on how to get on and around the Internet with specific addresses (URLs) for cool and useful sites. There are fully developed lesson plans (goals, performance objectives, activities, materials, resources, and evaluations) for units on "Weather and Geography Using Family Genealogies." Instructions are provided for obtaining a free copy of ArcView 1, and ways to develop these resources with ArcView in the classroom. Materials and resources for appropriate age levels will be developed in separate sessions for Grades 5 through 8 and 9 through 12. Workshop take-away materials will include lesson plans and a diskette of instructions and resource materials for both IBM-compatible and Mac systems.

Presenter: Robert E. Lee, GIS Consultant, UW-Olympic Natural Resources

Start-up GIS Track

This track provides governmental agencies, regional planning organizations, and local jurisdictions with a nononsense orientation to the technology, what it is, what it can do for them, what the issues are, and what they need to do to get started with powerful GIS tools.

What is a GIS?

GIS is a technology that can be applied many different ways within an agency. GIS originated from mapping technology and is now becoming a key component of information systems technology. The definition of GIS varies according to how the technology is being used within the agency. This session will include speakers from various agencies in Washington discussing what GIS means to their agencies.

Presenters: David McCloskey, Cascadia Institute; Dan Clarkson, Rivers Council of Washington; Randy MacIntosh, Northwest Indian Fisheries Commission; Elizabeth Marshall, Marshall and Associates

GIS Implementation Strategies

Implementing a new technology like GIS in an agency involves clearing a variety of hurdles. Some of these hurdles are political, some technical, some financial, and some are information-based. Experienced GIS managers flag potential problems and share key strategies that work in GIS implementation.

Presenters: Bill Brodie, The Brodie Group; Marty Balikov, King County; Don Eginton, Snohomish County

GIS Policy in Washington

Washington State policies on data dissemination, data access, and cost recovery are not well defined for GIS managers. Key professionals involved in setting policy on such issues within their agencies speak on what they have done and why, including case studies on their agencies' experiences.

Presenters: David Kahn, City of Mercer Island; Clare Donahue, Washington State Department of Information Services; Ron Holeman, Washington State Department of Natural Resources

Start-up GIS Track, cont.

GIS in 5 Years: What to Expect

One certainty with GIS technology is that it will continue to change. To help GIS professionals plan for the future, we feature knowledgeable speakers on the development of future GIS systems, including discussions of future trends in hardware, software, data format and communications.

Presenters: Tom Wallace, Environmental Systems Research Institute (ESRI); Ian Nixon, Intergraph; Tom Cameron, Autodesk; Steve Smyth/Tim McGrath, Microsoft

Management Using GIS

GIS becomes a very powerful decision-making tool when properly implemented and used by management. Managers from agencies in Washington will describe the pros and cons of their experiences using GIS to aid in decision making.

Presenters: Gregg Selby, Roy F. Weston, Inc., Tony Melone, KCM, Inc.; Stephen Phillips, Weyerhauser

GIS and the Community

A key role for GIS is to educate local communities and to support decision-making by communities. Converting proposed land-use plans to GIS, and evaluating alternatives with GIS has empowered a number of Washington communities. Community GIS users will speak on how they utilized GIS technology and existing local databases to support community planning.

Presenters: Karen Dvnornich, University of Washington; Jay Clark, Puget Sound Regional Council; Vicki Evans, City of Seattle; Frances Wainright, Seattle Public Library

Census 2000 Workshop

Since much federal and state funding is allocated on the basis of census information, it is imperative that local jurisdictions take action now to ensure an accurate census in the year 2000. The Census Bureau will provide an overview of Census 2000 and experiential orientation workshops on cooperative programs for updating TIGER Line Files and updating the Master Address File.

A Primer for State, Tribal, and Local Jurisdictions on How to Prepare for an Accurate Census 2000.

The Census Bureau provides an overview of Census 2000 and will discuss several cooperative programs that are critical to the success of Census 2000:

- TIGER Improvement Program
- Program for Address List Supplementation
- Tribal Geographic Programs
- Census Map Review Program

The workshop content will help state, tribal and local jurisdictions' elected officials, management, and staff focus on how they can improve the geographic records needed to ensure a successful Census 2000. The focus will be on operations performed by jurisdictions in each program. The workshop includes hands-on experience with some of the data improvement tools.

Presenters: Rick Cambell, Dennis Duffy, Wendy Hawley & Cam McIntosh, Census Bureau Regional Office; Representatives from the Washington State Office of Financial Management

Data Sharing Workshops

Current and near-term GIS users know that data collection and maintenance is at the heart of effective application and use of GIS technology. Learn about current national and state-level efforts to promote data sharing through National Spatial Data Infrastructure (NSDI) Workshops on creating statewide data layers built on common data themes (Framework Data Initiative); creating standard data descriptions (FGDC Metadata); and distributing data on the Internet (Clearinghouse Nodes).

Cooperative Creation of Statewide GIS Data Layers

There is an emerging national standard for the cooperative creation of statewide GIS data layers based on common data themes. The approach is to create enduring partnerships and processes for the creation, maintenance and distribution of statewide GIS data coverages. These will be created around common data themes that are designed to provide a fundamental GIS data infrastructure for the effective utilization of GIS technology within governmental and educational settings. An overview of this promising National Spatial Data Infrastructure (NSDI) initiative will be provided, as well as a discussion of the associated challenges. A representative of the Washington Framework Management Group will also provide an overview of the state-level project underway to create the first prototype framework layer for Washington state based on the Cadastral data theme.

Presenter: Michael Domeratz, Framework Initiative Coordinator

The First Step Towards Sharing GIS Data

Here's your chance to learn more about the Federal Geographic Data Committee's (FGDC) Metadata Content Standard (MCS). This standard provides the basis for a common way to describe geospatial data holdings. Utilization of the MCS will enhance opportunities for sharing geospatial data among federal, state, tribal, local and private entities. This workshop will discuss the following aspects of implementing the content standard (workbook provided):

Availability - Data needed to determine the sets of data that exist for a geographic location

Fitness for Use -Data needed to determine if a set of data meets a specified need

Access - Data needed to acquire an identified set of data

Transfer - Data needed to process and use a set of data

Presenter: Billie Tolar, Metadata Content Standard Coordinator for the Federal Geographic Data Committee

How to Set-Up an NSDI Clearinghouse Node on the Internet

This two-part workshop will include an overview of the National Spatial Data Infrastructure (NSDI) Clearinghouse initiative and a demonstration of how to set up a Clearinghouse Internet server. If you have an interest in making your GIS data available over the Internet, this is the workshop for you. The Federal Geographic Data Committee (FGDC) has been facilitating the accessibility of digital spatial information on the Internet among federal and state organizations. The National Geospatial Data Clearinghouse is a FGDC-sponsored activity that provides a series of technical solutions to making spatial data discoverable on the Internet. The Clearinghouse is an implementation of concepts that define service within the NSDI. Learn about the tools endorsed by the FGDC to deliver data via the Internet. (The Internet server tool is Z39.50 and GILS compliant.)

Presenter: Doug Nebert, US Geological Survey



Washington State's First Annual Geographic Information Systems Conference

Featuring

Hands-on Workshops

Participants in small groups will get a close look at various aspects of GIS technology on networked PCs in our GIS lab.

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P.O. Box 42445 Olympia WA 98504-2445

Registration Information

Two-day conference includes workshops, continental breakfasts, and lunches. Conference attendance is limited to the first 400 registrants, so early registration is encouraged.

FEE: \$139 per person. Include payment with Registration Form. Appropriate forms of payment include Purchase or Field Order, or Invoice Number.

CLOCK HOURS AVAILABLE: Looking for credit? Some of the GIS '96 programs are approved as Washington State Clock Hour Offerings. For more information:
Washington State GIC Home Page: http://www.wa.gov/gic/qic.html

Mail registration to: Lynn Kennedy Washington State Department of Information Services PO Box 42445 Olympia, WA 98504-2445

Lodging

Blocks of hotel rooms near the Conference Center have been set aside for GIS 96:

Best Western Executive Inn

Includes limited shuttle service to Bell Harbor and free hotel parking. Phone: 206-448-9444 or 1-800-351-9444.

Edgewater

Located within a block of Bell Harbor. Phone 206-728-7000 or 1-800-624-0670.

Warwick

Includes shuttle service to Bell Harbor.

(Clip & Mail With Payment)

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